

MORTERPLAS FP-S 4 KG

MORTERPLAS FP-S 4 Kg is an APP plastomeric bitumen-based waterproofing membrane with a high softening point, stabilized heavy weight polyester felt (FP) reinforcement and thermofusible film finish on both sides.

ADVANTAGES

- MORTERPLAS FP-S 4 Kg is manufactured with an APP plastomeric compound, with a high polymer content, which confers the following properties to the membrane:
 - Great toughness.
 - Good low temperature pliability.
 - Great resistance against atmospheric agents and the maximum guarantee for durability.
 - High softening point; it is a hard membrane, high temperature-resistant and easy to apply even in hot weather.
- The heavy weight punched and stable, non-woven polyester felt reinforcement, confers the best mechanical properties to the membrane:
 - High tensile strength.
 - Maximum puncturing strength (static and dynamic).
 - Great tearing strength.
 - Good dimensional stability.
- The membrane has magnificent high temperature resistance, which aids application in hot environments as it does not soften in high temperatures.



APPLICATION

Suitable for most waterproofing slope roofing applications.

Can be applied in a single-ply, on non-trafficable and trafficable roofs with a pitch equal to or exceeding zero.

REGULATIONS

- According to EN 13707 European standard. Certified under CE N° 0099/CPD/A85/0087
- Quality Management system according to ISO:9001 standard.

Bituminous Waterproofing APP

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INSTALLATION

- **SUBSTRATE:** the substrate receiving the MORTERPLAS FP-S 4 Kg membrane must be dry, firm, even, clean and free from badly adhered materials.
- The membrane can be applied either fully bonded or loose-laid. to adhere the membrane to the substrate, the latter must be previously primed with PIBIAL, EMUFAL I or EMUFAL L. Once dry, the membrane is torched on.
- The flame is applied as uniformly as possible (the greater the heat, the greater the retraction) along the width of the membrane without reaching the overlap, which will be done later, since it is important that the temperature be the same in every area. The flame should be applied until the anti-adherent film pore opens. Overlaps are also flame-bonded, with a minimum width of 8 cm.
- The membranes are installed in such a way that no more than three membranes overlap at the same point.
- In the two-layer solution, the top membrane must be completely adhered to the bottom membrane, and it must be placed in the same direction so that the overlap lays approximately in the middle of the bottom membrane.

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PACKAGING AND STORAGE

	MORTERPLAS FP-S 4 kg	MORTERPLAS FP-S 4,8 kg
Kg/m ²	4,00 -5/+10%	4,8 -5/+10%
Length (m)	10	8
Width (m)	1	1
m ² /roll	10	8
m ² /pallet	270	216

Storage: Upstand. Sheet must be store into its original packaging until it have been used, protected against weathering, indoors in a ventilated area.

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MORTERPLAS FP-S 4 kg
External fire behaviour	ENV 1187	-	Broof(t1)
Fire reaction	EN 13501-1:2002 (EN ISO 11925-2)	-	E
Watertightness	EN 1928:2000 (B)	-	Pass (10 kPa)
Maximum tensile strength (L x T)	EN 12311-1	N/50 mm	900 ± 250 650 ± 250
Elongation (L x T)	EN 12311-1	%	45 ± 15 45 ± 15
Root penetration resistance	EN 13948	-	NE
Static load resistance	EN 12730 (A)	kg	≥ 15
Impact resistance	EN 12691:2006	mm	≥ 1000
Tear strength (nail) (L x T)	EN 12310-1	N	NE
Joint peel resistance	EN 12316-1	N/50 mm	NE
Joint shear resistance (L x T)	EN 12317-1	N/50 mm	650 x 650 ± 250
Artificial ageing by long-term exposure to high temperature	EN 1296 12 sem/weeks	EN 1109 / 1110	NE
Artificial ageing by long term exposure to the combination of UV radiation, high temperature and water	EN 1297	EN 1850-1	NE
Flexibility at low temperature	EN 1109	°C	≤ -15
Hazardous substances	--	--	PND

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OTHER FEATURES

OTHER CHARACTERISTICS	Test Method	Unit	Value
Visible defects	EN 1850-1	-	Pass
Straightness	EN 1848-1	-	Pass (<20 mm/10 m)
Compound per area unit	EN 1849-1	kg/m ²	4,00 -5/+10%
Thickness	EN 1849-1	mm	-
Thickness in overlap	EN 1849-1	mm	-
Watertightness after stretching at low temperature	EN 13897	%	--
Dimensional stability	EN 1107-1	%	≤ 0,4
Form stability under cyclic temperature change	EN 1108	mm	NE
High temperature flow resistance	EN 1110	°C	≥ 120
Granule adhesion	EN 12039	%	NE
Water vapour transmission properties	EN 1931	μ	20000

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